

ABSTRACT

The present invention provides a device and a method for determining whether or not component holder is good, which enable detecting component holders that are to affect correct component recognition and further enable preventing interferences between constituent devices, a component mounting apparatus with the determining device, and a component mounting method. The determining device has an illuminating device (120), a CCD camera 106 and a controller (150) to determine whether or not a suction nozzle (201) is good based on a luminance at a component hold face (140) of the suction nozzle. The suction nozzle having the light reflectance of the component hold face increased to a level whereat the correct recognition of an electronic component (312) held by the suction nozzle is affected can be detected accordingly. An interference preventing device (320) is also provided, so that the interference between the CCD camera and the suction nozzle can be prevented.